

1. A golf ball comprising:

a core comprising polybutadiene rubber and an inorganic filler having a specific gravity equal to or greater than about 5.6; and,
a cover.

2. The golf ball of claim 1 wherein the inorganic filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, iron, steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and mixtures thereof.

3. A golf ball comprising:

a center comprising polybutadiene rubber and an inorganic filler having a specific gravity equal to or greater than about 5.4;
a thread winding layer wherein the thread winding comprises polybutadiene rubber; and,
a cover.

4. A golf ball according to claim 3 wherein the inorganic filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, iron, steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and mixtures thereof.